

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B81B7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B81B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/119597 A1 (MASTROMATTEO UBALDO) 29 August 2002 (2002-08-29) paragraphs '0017! - '0037!; figures 1-7 -----	1, 2, 7-16
X	US 6 125 043 A (KUKE ALBRECHT ET AL) 26 September 2000 (2000-09-26) the whole document -----	1-3, 8, 10, 11, 15, 16
X	US 2001/033718 A1 (ITOH MASATAKA ET AL) 25 October 2001 (2001-10-25) paragraphs '0018! - '0020!; figures 3c, 3d, 3e -----	1, 4, 5
X	US 4 600 970 A (BAUER JOHN A) 15 July 1986 (1986-07-15) column 5, lines 33-66; figure 6 ----- -/--	1, 4, 5

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

21 January 2005

Date of mailing of the international search report

31/01/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 239 385 B1 (BARNETT RON ET AL) 29 May 2001 (2001-05-29) column 8, lines 23-49; figure 1 -----	1,6

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/052846

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2002119597	A1	29-08-2002	IT	T020010086 A1	30-07-2002
US 6125043	A	26-09-2000	DE EP	19750073 A1 0917190 A2	20-05-1999 19-05-1999
US 2001033718	A1	25-10-2001	JP JP	2985830 B2 10319280 A	06-12-1999 04-12-1998
US 4600970	A	15-07-1986	NONE		
US 6239385	B1	29-05-2001	NONE		